

Community Fire Planning

for the Wildland / Urban Interface

Guidance Document

Protecting Life, Property, and
Community Values
through
Community-Based Planning



Department of Natural Resources
Division of Forestry, Fire and State Lands



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Utah Community Fire Planning

INTRODUCTION

Wildfire has been a continuing challenge throughout Utah's history. There are several areas in Utah where there is an extreme danger of wildland-urban interface fire. In fact, any fire over 100 acres threatens some structure due to the increase in development into wildland areas. Over 400 of Utah's communities have been classified "at risk" of wildfire. The safety of the citizens of any community is a shared responsibility between the citizens; the owner, developer or association; and the local, county, state and federal governments. **The primary responsibility, however, remains at the citizen/owner and association level.**

The following problems have increased the wildland-urban interface wildfire risk:

- Desire to live in a secluded area surrounded by natural vegetation without defensible space.
- Homes are built of flammable materials (wood siding, shakes and patios).
- Fire equipment is hampered from protecting an area because of long, narrow, winding, or steep driveways.
- Distance from fire departments.
- One ingress and egress road in subdivisions and some communities.
- Misperception that fire protection in rural areas is equal to urban fire protection services.
- Inadequate water supply.
- Poor signage and access to residences.
- No hazard planning for evacuation and no early warning systems.
- Utility service lines and propane tanks.

The purpose of community fire planning is to...

- Empower communities to organize, plan, and take action on issues impacting community safety
- Enhance levels of fire resistance and protection to the community
- Identify the risks of wildland/urban interface fires in the area
- Identify strategies to reduce the risks to homes and businesses in the community during a wildfire.

OBJECTIVES OF COMMUNITY FIRE PLANNING IN UTAH

Facilitate organization of citizen fire councils to guide planning and coordinated action

Improve community safety through:

- | | |
|----------------|---------------------|
| ✓ Coordination | ✓ Fuel modification |
| ✓ Education | ✓ Fire Prevention |
| ✓ Training | ✓ Public Safety |

Enhance fire protection through:

- ✓ Improved fire prevention and public education
- ✓ Improved coordination within the community
- ✓ Development of long-term strategies

- ★ Reduce the potential for and the consequences of wildfire.

STATEMENT OF LIABILITY

The activities suggested by this guidance document, the assessments and recommendations of fire officials, and the plans and projects outlined by the citizen fire council, are made in good faith according to information available at this time. The community wildfire committee is responsible for the actions taken under this plan. The Utah Division of Forestry, Fire and State Lands can make no guarantees regarding the level of success users of this plan will experience. Wildfire still occurs, despite efforts to prevent it or contain it; the intent of all decisions and actions made under this plan is to reduce the potential for and the consequences of wildfire.

ABOUT THIS DOCUMENT

This document provides the outline for and specifies the information recommended for inclusion in a community fire plan. Instructions are provided throughout the document to explain what information can be included.

Part I – Community Description

The community description identifies community resources that can be used to complete the goals of the plan as well as a physical description of the community that can guide wildfire preparation and response decisions.

Part II – Community Prescription

The community prescription includes the goals of the plan, identifies specific actions needed to complete the goals of the wildfire plan and identifies responsible parties, resources and priorities.

Part III – Resources

This section contains a list of wildfire preparation and response resources that are selected by the community for retention in a community wildfire reference library.

Part IV – Technical Assessments

This section includes fire officials' assessments and ratings of the wildfire hazard in the community, and their recommendations for actions to mitigate hazards.

Appendix

The information to be included in the appendix is primarily determined by the community and the fire officials: data, assessments, maps, contact lists, project worksheets, or whatever might prove useful to the community.

RESOURCES

For resources to complete a Community Fire Plan for your community, consider organizations such as the following:

- | | |
|--|--|
| ✓ Local / Primary fire protection provider | ✓ County fire agencies |
| ✓ Local Resource, Conservation and Development Districts | ✓ County emergency management services |
| ✓ Utah Division of Forestry, Fire and State Lands | ✓ American Red Cross |
| ✓ Utah State Fire Marshal (Dept. of Public Safety) | ✓ U.S.D.A. Forest Service |
| ✓ Utah Comprehensive Emergency Management | ✓ U.S. Department of Interior Agencies |
| ✓ Utah Living With Fire | ✓ Utah Resource Conservation Districts |
| ✓ FireWise | |

Contact information for some of the above-listed agencies is included in the back of this document.

For information concerning the Community Fire Plan guidance document, contact the Utah Division of Forestry, Fire and State Lands, P.O. Box 145703, Salt Lake City, Utah 84114-5703. Or, e-mail jgregers.nrs@state.ut.us.

Completed Community Fire Plans should be submitted to your local Area Manager or Fire Management Officer from the Utah Division of Forestry, Fire and State Lands.

ACKNOWLEDGEMENTS

The Utah Division of Forestry, Fire and State Lands would like to thank Kathy Hammons and Janet Johnson of Community Solutions, Inc. for their input and work on this document. The Division also appreciates those agencies whose publications inspired the creation of this document, such as the Pennsylvania Model Prevention, Pre-suppression and Preparedness Plan, the Colorado State Forest Service Wildfire Hazard Mitigation and Response Plan, the Big Sky Fire Management Strategy, Utah's Wildland-Urban Interface Fuel Load Reduction Community Level Protection document, and others. Finally, thanks to Arthur W. DuFault, former Utah State Forester and National Fire Plan Coordinator, who initiated this endeavor for the State of Utah.

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Community Fire Planning Checklist

INSTRUCTIONS

This checklist is provided to help the community track its progress in development of its community fire plan. The Community Wildfire Council is responsible for completing Sections I and II; fire officials are responsible for completing Section IV. Section III and the Appendix should be a joint effort between the community and fire officials.

It is requested by state fire officials that the structure of the community fire plan follow this outline; this will provide continuity among Utah's community fire plans, and facilitate information sharing in emergency situations.

Section		✓ Done	Date
I.	Community Description		
	Declaration and Concurrence	_____	_____
	Planning Committee Members List	_____	_____
	Community Legal Structure	_____	_____
	Population	_____	_____
	Values at Risk	_____	_____
	Natural Resources at Risk	_____	_____
	Commercial Entities	_____	_____
	Formal Associations	_____	_____
	Media Support	_____	_____
	Schools	_____	_____
	Transportation (Railroad, Highway)	_____	_____
	Private Emergency Services and Equipment Capabilities	_____	_____
	Restricting Covenants, Ordinances	_____	_____
	Insurance Rating	_____	_____
	<i>Physical Description</i>		
	Access	_____	_____
	Roads	_____	_____
	Driveways	_____	_____
	Structures	_____	_____
	Bridges, Gates, Culverts	_____	_____
	Utilities	_____	_____
	Sewage System	_____	_____
II.	Community Prescription		
	Goals of Plan	_____	_____
	Identification of Actions	_____	_____
	Identification of Responsible Parties, Resources, Priorities	_____	_____

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Section		✓ Done	Date
III.	Resources		
	List of resources available in a community wildfire reference library	_____	_____
IV.	Technical Assessments		
	A. Community Description		
	Area	_____	_____
	Topography and Vegetation	_____	_____
	Infrastructure	_____	_____
	Water Supply	_____	_____
	Emergency Services / Equipment Capabilities	_____	_____
	<i>Hazard Evaluation:</i>		
	Area Fire History	_____	_____
	Subdivision Hazard Rating	_____	_____
	Property / Structure Ratings	_____	_____
	Expected Fire Behavior	_____	_____
	B. Community Prescription		
	Fuel Modification Projects	_____	_____
	Infrastructure Improvements	_____	_____
	Education	_____	_____
	Wildfire Response / Pre-Attack Plan	_____	_____
	Monitoring and Evaluation	_____	_____
	Evacuation Plan	_____	_____
			—
	Appendices		
	Emergency contact lists	_____	_____
	Technical assessments and worksheets	_____	_____
	Maps (topography, escape routes, etc.)	_____	_____

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INSTRUCTIONS

Declaration and Concurrence Page

This list needs to be customized to the individual plan. Provide the names and affiliations of all fire partners. This page will then be signed after all fire partners have reviewed the plan and concur with its contents. An Area Manager or Fire Management Officer from the Utah Division of Forestry, Fire and State Lands must be included.

SAMPLE

Andrew Andreason, Owner	Date
William Billings, Developer	Date
Charles Chan, Homeowners Association President	Date
Richard Dickinson, Association Vice-President	Date
Elle Eliason, Nirvana Township Fire Department	Date
Fred Friedrich, Nirvana Township EMS	Date
Greg McGregor, Nirvana Township Police Department	Date
Holly Iverson, Neighborton Township Fire Department	Date
Jessica Jessup, Kolob County EMA	Date
Kyle Keele, Kolob County Red Cross	Date
Lyle Leavitt, Utah State Police	Date
Marti Martinez, Utah Division of Forestry, Fire and State Lands – Area FMO	Date
Nina Nikolovna, USDA Forest Service – Timberland National Forest	Date
Orrin Openshaw, Bureau of Land Management Field Office	Date

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PART I COMMUNITY DESCRIPTION

Directions: *This section is to be completed by the Community Wildfire Committee. A community description identifies community resources that can be used to complete the goals of the plan as well as a physical description of the community that can help impact wildfire preparation and response decisions.*

INSTRUCTIONS

1. Planning Committee Members List

List the names, affiliations and phone numbers of the planning committee members, i.e. residents, council members, sheriff, etc.

SAMPLE

<u>Name</u>	<u>Affiliation</u>	<u>Phone Number</u>	<u>E-mail</u>
Andrew Andreason	Resident; retired Forest Service	(801) 555-1847	AA@aol.com
Charles Chan	Valhalla Homeowners Association Pres.	(801) 555-1896	chanman@yahoo.com
Elle Eliason	Nirvana Township Fire Department	(801) 555-9111	EllieMay@aol.com
Fritz & Inga Freiburg	United Christian Faith Group; Boy Scouts	(801) 555-KIDS	ffreiburg@erols.com
...(etc.)			

INSTRUCTIONS

2. Community Legal Structure

List the government entities associated with the community – city, town, unincorporated, special service district, homeowner association(s), other. Part of the purpose in this exercise is to help identify organizations through which grant funding – federal, state, or other - can be channeled.

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
Kolob County Commission	Commissioner Gordon	(801) 555-1234	Gordon@Kolob.gov
Nirvana Township	Inga Swensen	(801) 555-2345	SwInga@hotmail.com
Valhalla Homeowners Assn.	Charles Chan, President	(801) 555-1896	chanman@yahoo.com
...(etc.)			

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INSTRUCTIONS

3. Population

Provide information regarding the population of the area, including:

Approximate full-time	Approximate number of lots	Approx. number of commercial entities
Approximate part-time	Approximate number of homes	Approx. visitor population during fire season

SAMPLE

Total number of homes:	80 (most are maintained as vacation homes)
Full-time residents:	25 people (mostly adults)
Part-time residents:	180+ (adults and children)
Visitor population:	Through-traffic of around 1,000 to 2,000 people per day during fire season
Commercial entities:	2

INSTRUCTIONS

4. Estimated Values at Risk

Provide an approximation of the estimated current values of residential and commercial property in the subdivision. The County Assessor should be able to assist with this information.

SAMPLE

The estimated values at risk of residential and commercial property in the year 2002 are approximately \$6,400,000.

INSTRUCTIONS

5. Natural Resources at Risk

Describe the natural resources at risk in the subdivision and surrounding area.

SAMPLE

The Valhalla community borders Timberland National Forest. Watershed, forest products, wildlife, and recreation tourism are all critical elements to Nirvana Township and surrounding areas. Moreover, the area is home to a few wildlife species bordering extinction, including the elusive North American Sagebrush Snipe.

INSTRUCTIONS

6. Commercial Entities

List contact information for commercial entities in the area (not just in the subdivision).

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SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number / E-mail</u>	<u>Address</u>
*Em's Gas & Grocery	Emma Gardner	(801) 555-EGGS; Em@aol.com	2900 E. Valhalla Hwy
*Wooden It Be Loverly Gifts	Woodrow Pine	(801) 555-2222; Wood@aol.com	3125 E. Valhalla Hwy
Acme Auto Repair & Detailing	Charles Chan	(801) 555-1896; Acme@aol.com	150 E. Valhalla Hwy
Bailey Building & Loan	George Bailey	(801) 555-1932; BBL@erols.com	75 W. Valhalla Hwy
Win One for the Gipper Pub	John Walker	(801) 555-7777; Gip@yahoo.com	150 N. Bob's Road

...(etc.)

* Located in the subdivision

INSTRUCTIONS

7. Formal Associations

List contact information for civic groups, churches, volunteer organizations, etc.

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
LDS Church	Ira Gardner	(801) 555-1820	BYUfan@earthlink.net
VFW Post 847	John Walker	(801) 555-1932	Gip@yahoo.com
Sons of Utah Pioneers	George Bailey	(801) 555-1849	BBL@erols.com
Boy Scout Troop 947	Fritz Freiburg	(801) 555-KIDS	ffreiburg@erols.com

...

INSTRUCTIONS

8. Media Support

List contact information for local media, such as newspapers, newsletters, websites, etc.

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone number</u>	<u>E-mail</u>
Nirvana Weekly Journal	Jim Olsen	(801) 555-4111	jolsen@nirvana.com
Kolob County News (Daily)	Lewis Lane	(801) 555-NEWS	LewisLane@KCN.com

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KLUK Radio – Henderson City	Johnny LeFevre	(801) 555-KLUK	HeresJohnny@KLUK.net
www.welcometonirvana.com	Steve Jobs	(801) 555-4545	SJobs@msn.com
...			

INSTRUCTIONS

9. Schools

List contact information for all public and private schools in the community.

<u>Organization</u>	<u>Contact Person</u>	<u>Phone; E-mail</u>	<u>Address</u>
Nirvana Elementary	Natalie Pine, Princ.	(801) 555-3333; NirvanaEl@USD.edu	300 S. Bob's Road, Nirv.
Henderson Junior High	Dean Ratty, Princ.	(801) 555-1960; HJH@USD.edu	445 W. Center Street, Hend.
Henderson High School	Will Riley, Princ.	(801) 555-1951; HHS@USD.edu	1250 S. Main Street, Hend.
United Christian School	Fritz Freiburg, Adm	(801) 555-KIDS; ffreiburg@erols.com	3250 E Valhalla Hwy, Hend
Henderson School Board	Charles Adams, Sup	(801) 555-9999; chasadams@USD.edu	1350 S. Main Street, Hend.
...			

INSTRUCTIONS

10. Transportation

List contact information for any railroad, highway, or other public transportation routes or means in the community.

SAMPLE

<u>Organization</u>	<u>Contact Person</u>	<u>Phone Number</u>	<u>E-mail</u>
Kolob County Road Dept.	Jeremy Jessup	(801) 555-8876	jjessup@KC.Roads.gov
Utah Dept. of Transportation	Ben Rhodes	(801) 555-6789	brhodes@udot.gov
Union Pacific Railroad	Kent Walters	(801) 555-1111	KentW@UPR.com
...(etc.)			

INSTRUCTIONS

11. Private Emergency Services and Equipment

List privately-owned equipment and services available for wildfire response, with contact information. If such services or equipment are already contracted under the County Mobilization Plan, they should not be listed here.

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SAMPLE

<u>Type of Equipment</u>	<u>Contact Person</u>	<u>Phone; E-mail</u>	<u>Address</u>
Tow truck	Charles Chan	(801) 555-1896; chanman@yahoo.com	150 E. Valhalla Hwy
Bulldozer	Richard Dickinson	(801) 555-9876; Dozerman@erols.com	40 N. Wagon Way
...(etc.)			

INSTRUCTIONS

12. Restricting covenants, ordinances, etc.

Describe any pertinent restricting covenants, ordinances, etc., concerning wildfire in the community. For example, requirements regarding gated communities, building construction materials, vegetation removal.

SAMPLE

The following restrictions need to be considered in any fuel management or fire protection projects:

Valhalla Homeowners Association Bylaws - Section 3 - General Covenants and Restrictions

Item 5: "No road or driveway shall be constructed or altered in any way without prior approval of the Landscape Committee."

Item 11: "Decks should be made of pressure-treated wood and should be of reasonable height..."

Item 14: "... Removal of any trees requires prior approval."

INSTRUCTIONS

13. Insurance Rating

Provide the current insurance rating for the community. (The community's primary fire protection provider should be able to assist with this information.)

SAMPLE

Fire Insurance Rating: The town of Nirvana carries a fire insurance rating of Class 5.

INSTRUCTIONS

14. PHYSICAL DESCRIPTION

While completing the following assessments of the community, consider the height, width, weight, and turnaround needs of emergency equipment. Exact clearance requirements may vary by community.

Road clearance height	≥ 13'6"	Dead end street turnaround	≥ 100' diameter
Road clearance width	≥ 20'	Bridge/culvert weight limit	= 20 tons per axle
Driveway clearance height	≥ 13'6"	Driveway turnarounds*	≥ 30' (inside turning radii), 45' (outside turning radii)
Driveway clearance width	≥ 12'	Driveway turnouts**	≥ 10' wide and 30' long
* for driveways in excess of 150' in length			

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** for driveways in excess of 200' in length and less than 20' in width

If desired, section 14 (pages 10 - 12) can be copied, completed, and included in the community fire plan.

INSTRUCTIONS

A. Access

Provide detailed information regarding access to the community, including all-weather and seasonal access.

- i. Directions to community:
From [nearest town]_____, go (north/south/east/west) on [road]_____ [#]_____ of miles.
From [nearest fire station]_____, go (north/south/east/west) on [road]_____ [#] _____ of miles.
- ii. All-weather access
- iii. Seasonal access

INSTRUCTIONS

B. Roads

Provide information regarding the condition and types of roads in the community. Percentages are ideal, but general estimations are sufficient.

- i. (No/few/some/most/all) road signs are present.
- ii. ____% are pavement; ____% are gravel; ____ % are dirt
- iii. (Most/All) will support (#)____ lanes of traffic.
- iv. (None/Some/All) are loop roads.
- iv. (None/Some/All) are dead-end roads. Of these, (most/all) have (adequate/inadequate) turnaround space available at the end of the road for emergency equipment (based on turning radius listed in front of this section).

INSTRUCTIONS

C. Driveways

Provide a general assessment of the driveways in the community, in regard to emergency equipment (based on height and width information listed in front of this section) and emergency response.

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- i. Most driveways width and height clearance, road grades and vegetation appearance are (adequate/inadequate) for emergency equipment.
- ii. (No/few/many/most/all) individual homeowners have posted their name and address.

INSTRUCTIONS

D. Structures

Assess the community in regard to building structures and wildfire hazard – construction materials, visibility, etc. Percentages are ideal, but general estimations are sufficient.

- i. (No/few/some/many/most/all) are of wood-frame construction.
- ii. (No/few/some/many/most/all) have wood decks or porches.
- iii. (No/few/some/many/most/all) have wood shake or shingle roofs.
- iv. (No/few/some/many/most/all) are visible from the main subdivision road.

INSTRUCTIONS

E. Bridges, Gates, Culverts, other

Assess the community's infrastructure for potential obstacles to emergency response. Consider weight, height, and width information of emergency vehicles as listed in front of this section.

- i. (None/Some/All) bridges support emergency equipment.
- ii. (None/Some/All) gates provide easy access to emergency equipment.
- iii. (None/Some/All) culverts are easily crossed by emergency equipment.

INSTRUCTIONS

F. Utilities

Assess and provide information on the utilities serving the community, in regard to wildfire hazard and emergency response capabilities.

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- i. Telephone service is (below/above) ground.

Provided by: _____ Telephone #: _____

- ii. Electrical service is (below/above/both) ground.

Provided by: _____ Telephone #: _____

- iii. Are there homes / structures utilizing propane? Yes/No

If yes: ____% of those propane tanks are above ground

If some are above ground: ____% are marked with a flag or by other highly visible means

List locations of those propane tanks above ground.

- iv. Are there homes / structures utilizing natural gas? Yes/No

Primary water sources:

Approximately % ____ of homes use central water system.

Approximately % ____ of homes use individual wells.

Approximately % ____ of homes have additional private water source.

Water provided by: _____ Telephone #: _____

PART II: COMMUNITY PRESCRIPTION

Directions: *This section is to be completed by the Community Wildfire Committee. A community prescription includes the goals of the plan, identifies specific actions needed to complete the goals of the wildfire plan and identifies responsible parties, resources and priorities.*

INSTRUCTIONS

1. Goals of Plan

Goals – Provide a brief statement of the goals of the Community Wildfire Plan. **Each plan must address the following: Fuel Reduction, Facilities and Equipment, Education, Emergency Response Plan (including comprehensive plans for shelter-in-place and evacuation), Regulatory Issues, and Evaluation and Maintenance.**

SAMPLE

1 . GOALS/PURPOSE OF PLAN

- A. Community will decrease fuels to reduce wild fire intensity and impact in and around the community.
- B. Community will evaluate, upgrade and maintain community wildfire preparation and response facilities and equipment.
- C. Community will help educate community members to prepare and respond to wildfire.
- D. Community will develop and implement a comprehensive emergency response plan.
- E. Community will actively address identified regulative issues impacting community wildfire prevention and response needs.
- F. Community will regularly evaluate, update and maintain planning commitments.

INSTRUCTIONS

2. Identification of Actions

Actions – Describe projects that need to be done to complete the goals of the plan, and to perform annual and periodic maintenance of the plan.

SAMPLE

AIM: *A. Community will decrease fuels to reduce wildfire impact in and around the community.*

ACTION 1: The Fire Committee will implement fuel modification projects.

Educational campaign
Information meetings, brochures, individual assessment of property by fire expert, video
tape check out, demonstration areas
Group purchases of services, ie. hauling, cutting, chipping, roofing
School & Youth community service projects
Fuel break
Service Organization clean-up projects
Community roadside cutting, spraying, reseeding project

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ACTION 2: The Fire Committee will work with state/federal fire experts to develop and implement a perimeter fuel break plan.

INSTRUCTIONS

3. Identification of Responsible Parties, Resources and Priorities

Outline how the actions described in Item 2 will be accomplished, by listing responsible parties (person who is responsible for each action), resources (assets needed to complete actions), and priorities (designating of each action as high, medium or low priority).

SAMPLE

Aim	Action	Resources	Responsible Party	Priority
1. Fuel Reduction	<p>1.The Fire Committee will implement fuel modification projects.</p> <p>Education Campaign</p> <p>Brochures</p> <p>Video tapes</p> <p>Demo Areas</p> <p>Meetings</p> <p>Property assessment by fire professional</p> <p>School & Youth community service events.</p> <p>Fuel break volunteer time & equipment.</p> <p>Service Organization clean-up events.</p> <p>Community roadside cutting, spraying, reseeding projects.</p>	<p>www.Firewise.org</p> <p>Forestry Fire and State Lands FMO</p> <p>Bureau of Land Management</p> <p>National Forest Service</p> <p>Utah Living With Fire</p> <p>County Fire Marshal</p> <p>Local Fire Department</p> <p>Civic Organizations</p>	Fuel Reduction Sub-committee Chairperson	High
	2. Community will work with state/federal fire experts to develop and implement a perimeter fuel break plan.	<p>Forestry Fire and State Lands FMO</p> <p>County Fire Marshal</p> <p>Local Fire Department</p> <p>Civic Organizations</p> <p>Land owners</p> <p>Commercial entities</p>	Fuel Reduction Sub-committee Chairperson	Medium

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PART III: RESOURCES

Directions: This section is to be completed through joint effort between the Community Wildfire Committee and fire officials. This section will contain a list of wildfire preparation and response resources that are selected by the community for retention in a community wildfire reference library.

INSTRUCTIONS

List of Resources

List wildfire preparation and response resources to be retained in a community wildfire reference library, such as brochures, leaflets, books, magazines, videos, charts, etc.

SAMPLE

Informational materials

General Fire Prevention

- “Are You Living in the Red?” pamphlet (Utah Fire Assessment Project: Bureau of Land Management et.al.)
- “How to Protect Your Home: It Could Happen to You” (USDA Forest Service)
- “How to Reduce Wildfire Risk” Tree City USA Bulletin (The National Arbor Day Foundation)
- “Living With Fire” video and pamphlet (Utah Living With Fire)
- “Protect Your Hide-away Home” pamphlet (Utah Department of Natural Resources)
- “Protecting Residences from Wildfire” (USDA Forest Service)
- “Protecting Your Home Against Wildfire” video (National Wildfire Coordinating Group)

Landscaping/Building

- “Firewise Plants for Utah Landscapes” Utah Forest Facts newsletter (Utah State University Extension)
- “How to Landscape for Safer Hillside Living” pamphlet (Los Angeles City Fire Department)

Community Planning

- “Community Involvement in Fire Prevention” (Fire Management Notes Vol. 42)
- “Community Planning: An Introduction to the Comprehensive Plan” (Kelly, Becker; Island Press)
- “County Land Use Planning: How Can Planners Help the Fire Services in Protecting Homes from Wildfire” (USDA Forest Service, General Technical Report INT 251)
- “Development Strategies in the Wildland/Urban Interface” (Western Fire Chiefs Association)
- “The Greenbelt Concept: Safeguarding Your Community with Planning Buffer Zones” (American Fire Journal)

Websites

- FireWise Home Page -- <http://www.firewise.org>
- Forest Service Fire Management Website -- <http://www.fs.fed.us/r3/sfe/fire/index.html>
- Insurance Services Office (town fire ratings) -- <http://www.isomitigation.com/>
- National Fire Protection Association -- <http://www.nfpa.org>
- National Interagency Fire Ctr, Wildland Fire Prevention/Education – <http://www.nifc.gov/preved/rams.html>
- U.S. Department of Agriculture “How to Get Information” (contacts) – <http://www.usda.gov/news/howto/nre.htm>
- Utah BLM Fire Management Website – <http://www.ut.blm.gov/fire/Assessment/assessment.html>
- Utah Twenty-First Century Communities Program - <http://utahreach.usu.edu/comm21/index.htm>

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PART IV: TECHNICAL ASSESSMENTS

Directions: *This section is to be completed by fire officials. Include any technical data and information which will support or supplement the information provided by the Community in Parts I and II. Specific information is requested in order to provide consistency among fire plans within the state.*

INSTRUCTIONS

A. Community Description

Fire officials are to provide detailed assessments and information regarding this community. This section can be used as a worksheet -- copied, completed, and inserted into the community's fire plan. Fire officials may prefer to use this as a guidance document rather than a worksheet; if so, please make sure that the final community fire plan includes the following information. Documentation from assessments, ratings, surveys, etc. should be included in the Appendix, along with maps.

1. Physical Description

a. Area

Legal description:

USGS Map Quadrangle: (optional)

VOR RAD distance: (optional)

b. Topography and Vegetation

Slope

Average _____ % Range _____ % to _____ %

Aspect (predominate) (Cardinal direction)

Describe the vegetation in the area: (if more room is needed, attach description)

c. Water Supply

Ponds / Creeks / other natural water sources:

Type:		Status:			
<u>Pond / Creek</u>	<u>Location / GPS Coordinates</u>	<u>Permanent / Intermittent</u>	<u>Helicopter Access?</u>	<u>Pump Required?</u>	<u># Gallons or CFS*</u>
•					
•					

* Ponds: measure by 1,000's of gallons; Creeks: measure in cfs during fire season

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Hydrants:

<u>Location</u>	Type: <u>Dry/Pressurize</u>	Data: <u>*TP&S</u>	GPM (max.) <u>Output</u>	<u>Comments</u>
•				
•				

** Thread Pressure and Size*

Water Tanks / Other available water storage (underground cisterns, swimming pools, etc.):

<u>Location</u>	<u>Access</u>	<u># of gallons*</u>	<u>Responsible Entity</u>	<u>Phone #</u>
•				
•				

** measure 1000's of gallons*

e. Emergency Services / Equipment Capabilities

Describe the types of emergency services and equipment available from local, county, state, and federal resources.

911 Services:

Local:

County:

State:

Federal:

2. Hazard Evaluation

a. Area Fire History

<u>Month / Year of Fire</u>	<u>Ignition point</u>	<u>Ignition source</u>	<u>Acres burned</u>
•			
•			

b. Subdivision Rating

The subdivision is rated (low / moderate / high / severe / extreme) for wildfire hazard.

(Documentation for this rating should be included in the Appendix.)

Utah Community Fire Planning

c. Property / Structure Rating

All lots will be rated for wildfire hazard, as arranged by the Fire Council with fire officials and as permitted by the owners. The estimated time of completion for all ratings is _____.

Documentation of individual property ratings should be included in the Appendix.

d. Expected Fire Behavior

Describe expected fire behavior. Detailed documentation should be included in the Appendix.

Utah Community Fire Planning

INSTRUCTIONS

B. Community Prescription

Based on the information collected, provide recommendations for action under each of the following categories. Fuel modification project plans should include recommendations for ongoing maintenance. This section can be used as a worksheet -- copied, completed, and inserted into the community's fire plan. Fire officials may prefer to use this as a guidance document rather than a worksheet; if so, please make sure that the final community fire plan includes the following information. **Attach project worksheets for each project, and similar documentation for other goals.**

1. Fuel Modification Projects

<u>Project</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>
•		
•		

2. Infrastructure Improvements (Utilities, Water Developments, Equipment Acquisition / Repair, etc.)

<u>Project</u> (briefly identify) ____	<u>Timeframe</u>	<u>Person in Charge</u>
•		
•		

3. Education

<u>Goal</u> (briefly identify) ____	<u>Timeframe</u>	<u>Person in Charge</u>
•		
•		

4. Wildfire Response / Pre-Attack Plan

A Pre-Attack Plan should be in place, with a detailed description attached. The Pre-Attack Plan should address the following:

- Emergency notification procedures
- Fire protection responsibilities among agencies (private, state, federal lands; response times)
- Command responsibilities
- Pre-determined locations for...
 - Command Post
 - Staging Areas
 - Safety Zones
 - Helibase / Helispots

- Factors in determining evacuation vs: shelter-in-place
- Traffic Control
- Briefing of personnel on safety and hazards
- Determining Operational Mode
- Determining resource needs
 - (aircraft, mechanized, hand crews, water / chemical delivery systems)
- Determining assignments
 - (reconnaissance, medical, suppression, rehab)

<u>Goal</u> (briefly identify)	<u>Timeframe</u>	<u>Person in Charge</u>
•		
•		

5. Monitoring and Evaluation

Utah Community Fire Planning

Goal (briefly identify)

Timeframe

Person in Charge

-
-

APPENDIX

INSTRUCTIONS

This section is to be filled as needed by both the Community Wildfire Committee and fire officials. Items can include, but are not limited to:

- Contact Lists
- Assessment Project Worksheets
- Maps
- Homeowner Checklists
- Examples / Sample documents
- Glossary

SAMPLE

Appendix A – Contact Lists

Utah Division of Forestry, Fire and State Lands
USDA Forest Service Districts
Emergency Call-Down List
Forest Products Directory

Appendix B - Maps

Topography
Boundaries
Vegetation/Fuel Types (Hazard area)
Escape routes
Safety zones

Appendix C – Assessments / Worksheets

Defensible Space Assessment Worksheets
Wildfire Hazard Rating Form
Wildland Urban Interface Project Sheet (funding)

Appendix D – Checklists / Homeowner Information

Fire Disaster Potential Checklist for Homeowners
Fire Disaster Potential Checklist for Developers
Landscaping and Defensible Space Checklist
Construction Checklist
Fire Resistant Plants
Emergency Response checklist
Zoning recommendations checklist

Appendix E – Other

Wildfire Glossary
Sample County Fire Ordinances

AGENCY CONTACT INFORMATION

Utah Department of Natural Resources Division of Forestry, Fire and State Lands

Bear River Area Office

Craig Pettigrew, Area Manager
*Blain Hamp, Acting FMO**

1780 N. Research Parkway, Ste 104
N. Logan, UT 84341-1940
(435) 752-8701

Wasatch Front Area Office

Dick Buehler, Area Manager
Barbara Gardner, Area Forester

1594 W. North Temple, Ste 3520
Salt Lake City, UT 84116
(801) 538-5555

Southwestern Area Office

Ron Larsen, Area Manager
Larry LeForte, FMO

585 North Main
Cedar City, UT 84720-2643
(435) 586-4408

Northeastern Area Office

Dale Jablonski, Area Manager
Stephen Rutter, FMO

152 East 100 North
Vernal, UT 84078-2126
(435) 781-5463

Central Area Office

Kelly Allen, Area Manager
Mike Melton, FMO

115 East 900 North
Richfield, UT 84701-1847
(435) 896-5697

Southeastern Area Office

Gary Cornell, Area Manager
Heather O'Hanlon, Interface
Project Coordinator

1165 S. Highway 191, Suite 6
Moab, UT 84532-3002
(435) 259-3766

* FMO = Fire Management Officer

Utah Resource & Development Councils

Bear River RC&D

1860 N. 100 East
No. Logan, UT 84341
(435) 753-3871

Color Country RC&D

2460 W. Highway 56 #5
Cedar City, UT 84720
(435) 586-7449

Panoramaland RC&D

3490 N. 600 E.
Richfield, UT 84701
(435) 896-8965 ext. 42

Castelands RC&D

P.O. Box 1287
Huntington, UT 84528
(435) 687-2985

Dinosaurland RC&D

240 W. Highway 40
Roosevelt, UT 84066
(435) 722-0884

Bonneville RC&D

5370 S. 1030 W.
Murray, UT 84123
(801) 262-6838

Mountainlands RC&D

2210 S. Hwy 40, Suite B
Heber City, UT 84032-3527

Utah Community Fire Planning

Emergency Management / Fire Agencies

Federal Emergency Mgmt Agency

Denver Federal Center
Building 710, Box 25267
Denver, CO 80225-0267
(303) 235-4800

**Utah Comprehensive
Emergency Management**

Rm. 1110, State Office Bldg.
Salt Lake City, UT 84114
(801) 538-3400

Utah State Fire Marshal

5272 S. College Dr., Ste 302
Murray, UT 84123-2611
(801) 284-6350

Utah Associations of Governments

Bear River Assn. of Governments

170 N. Main
Logan, UT 84321
(435) 752-7242

Mountainland Assn. of Governments

586 East 800 North
Orem, UT 84097-4146
(801) 229-3800

Southeastern Assn. of Governments

375 S. Carbon Ave., Box 1106
Price, UT 84501
(435) 637-5444

Five County Assn. of Governments

906 N. 1400 W., Box 1550
St. George, UT 84770
(435) 673-3548

Six-County Assn. of Governments

250 North Main
Richfield, UT 84701
(435) 896-9222

Uintah Basin Assn. of Governments

855 E. 200 N. (112-3)
Roosevelt, UT 84066
(435) 722-4518

Other Planning / Training Resources

Community Solutions, Inc.

Kathy Hammons, Janet Johnson
386 East 600 North
Midway, UT 84049
(435) 657-0668

Utah Rural Development Council

351 W. Center Street, Admin 304D
Cedar City, UT 84720
(435) 586-7852

Wasatch Front Regional Council

420 W. 1500 S., Ste 200
Bountiful, UT 84010
(801) 292-4469

American Red Cross

Cache County Chapter

1115 North 200 East, Ste 140
Logan, UT 84341
(435) 752-1125

Greater Salt Lake Area Chapter

465 South 400 East, Box 3836
Salt Lake City, UT 84110-3836
(801) 323-7000

Southern Nevada Chapter

3672 N. Rancho Drive
Las Vegas, NV 89130
(702) 791-3311

Ogden Chapter

2955 Harrison Boulevard
Ogden, UT 84403
(801) 627-0000

Mountain Valley Chapter

865 North Freedom Blvd.
Provo, UT 84604-3315
(801) 373-8580

Western Colorado Chapter

506 Gunnison Avenue
Grand Junction, CO 81501
(970) 242-4851

Utah Community Fire Planning

Utah Department of Natural Resources

Divisions other than Forestry, Fire and State Lands

Division of Wildlife Resources

1594 W. North Temple
Salt Lake City, UT 84116
(801) 538-4700

Regional Office – Ogden
(801) 476-2740

Regional Office – Vernal
(435) 789-3103

Regional Office – Springville
(801) 489-5678

Regional Office – Price
(435) 636-0263

Regional Office – Cedar City
(435) 865-6103

Division of Oil, Gas & Mining

1594 W. No. Temple, Ste 1210
Salt Lake City, UT 84116
(801) 538-5340

Division of Water Rights

1594 W. No. Temple, Ste 220
Salt Lake City, UT 84116
(801) 538-7240

Regional Office – Logan
(435) 752-8755

Regional Office – Vernal
(435) 781-5327

Regional Office – Price
(435) 637-1303

Regional Office – Richfield
(435) 896-4429

Regional Office – Cedar City
(435) 586-4231

Division of Water Resources

1594 W. No. Temple, Ste 310
Salt Lake City, UT 84116
(801) 538-7230

Division of Parks & Recreation

1594 W. No. Temple, Ste 116
Salt Lake City, UT 84116
(801) 538-7220

Northeast Region
(435) 649-9109

Northwest Region
(801) 533-4229

Southeast Region
(435) 259-3755

Southwest Region
(435) 586-2789

*For information on State Parks:
<http://www.stateparks.utah.gov>*

Utah Geological Survey

1594 W. No. Temple, Ste 3110
Salt Lake City, UT 84116
(801) 538-3300

U.S. Department of Agriculture Forest Service ~ Utah Offices

Intermountain Regional Office

Federal Building
324 25th Street
Ogden, UT 84401
(801) 625-5306

Ashley National Forest

355 North Vernal Avenue
Vernal, UT 84078
(435) 789-1181

Dixie National Forest

1789 N. Wedgwood Lane
Cedar City, UT 84720
(435) 865-3700

Fishlake National Forest

115 East 900 North
Richfield, UT 84701
(435) 896-9233

Manti-La Sal National Forest

599 West Price River Drive
Price, UT 84501
(435) 637-2817

Uinta National Forest

88 West 100 North
Provo, UT 84601
(801) 342-5780

Wasatch-Cache National Forest

8236 Federal Building
125 South State Street
Salt Lake City, UT 84138
(801) 524-3900

Utah Community Fire Planning

U.S. Department of Interior
Bureau of Indian Affairs ~ Utah Offices

PHOENIX AREA OFFICE
for Arizona, Nevada, Utah
P.O. Box 10
Phoenix, AZ 85001
(602) 379-6600

Southern Paiute Field Station
P.O. Box 720
St. George, UT 84711
(435) 674-9720

Uintah & Ouray Agency
P.O. Box 130
Fort Duchesne, UT 84026
(435) 722-2406

Tribes

Skull Valley Goshute Reservation
P.O. Box 150
Grantsville, UT 84029
(801) 363-7726

**Paiute Indian Tribe
Of Utah Tribal Council**
600 North 100 East Paiute Drive
Cedar City, UT 84720
(435) 586-1112

**Uintah & Ouray Tribal
Business Committee**
P.O. Box 190
Fort Duchesne, UT 84026
(435) 722-5141

Goshute Business Council
P.O. Box 6104
Ibapah, UT 84034
(435) 234-1136

U.S. Department of Interior
Bureau of Land Management ~ Utah Offices

Salt Lake Field Office
2370 South 2300 West
Salt Lake City, Utah 84119
(801) 977-4300

Price Field Office
125 South 600 West
Price, Utah 84501
(435) 636-3600

Kanab Field Office
318 North First East
Kanab, Utah 84741
(435) 644-4600

Vernal Field Office
170 South 500 East
Vernal, Utah 84078
(435) 781-4400

Moab Field Office
82 East Dogwood
Moab, Utah 84532
(435) 259-2100

Monticello Field Office
435 North Main, P.O. Box 7
Monticello, Utah 84535
(435) 587-1500

Fillmore Field Office
35 East 500 North
Fillmore, Utah 84631
(435) 743-3100

Cedar City Field Office
176 East D.L. Sargent Drive
Cedar City, Utah 84720
(435) 586-2401

**Grand Staircase-Escalante
National Monument**
190 E. Center
Kanab, UT 84741
(435) 644-4300

Richfield Field Office
150 East 900 North
Richfield, Utah 84701
(435) 896-1500

St. George Field Office
345 East Riverside Drive
St. George, Utah 84720
(435) 688-3200

Utah Community Fire Planning

U.S. Department of Interior Fish and Wildlife Service ~ Utah Offices

Ecological Services Field Office

2369 West Orton Circle
West Valley City, UT 84119
(801) 975-3330

Fish Springs Natl. Wildlife Refuge

Highway 36, Pony Express Trail
Ibapah, UT 84034
(435) 831-5353

Colorado River Fishery Project

1380 South 2350 West
Vernal, UT 84078-2042
(435) 789-4078

Senior Resident Agent – Ogden

P.O. Box 2369
Ogden, UT 84402
(801) 625-5570

Colo. River Wildlife Mgmt Refuge,

Ouray Natl. Wildlife Refuge

19001 East Wildlife Refuge Road
Randlett, UT 84063-2042
(435) 545-2522

Fish & Wildlife Service Management Assistance Office

1380 South 2350 West
Vernal, UT 84078-2042
(435) 789-0354

U.S. Department of Interior National Park Service ~ Utah Offices

Arches National Park

P.O. Box 907
Moab, UT 84532-0907
(435) 719-2100 (Headquarters)

Cedar Breaks Natl. Monument

2390 W. Highway 56, Suite 11
Cedar City, UT 84720-4151
(435) 586-9451 (Visitor Info)

Natural Bridges Natl. Monument

HC 60 Box 1
Lake Powell, UT 84533-0101
(435) 719-2100 (Headquarters)

Bryce Canyon National Park

P.O. Box 170001
Bryce Canyon, UT 84717-0001
(435) 834-5322 (Headquarters)

Glen Canyon Natl. Recreation Area

P.O. Box 1507
Page, AZ 86040-1507
(928) 608-6200 (Headquarters)

Pony Express Natl. Historic Trail

Long Distance Trails Office
325 South State St., Ste 324
Salt Lake City, UT 84145-0155
(801) 539-4093 (Headquarters)

California Natl. Historic Trail

324 S. State Street, Suite 250
P.O. Box 45155
Salt Lake City, UT 84145-0155
(801) 539-4095 (Headquarters)

Golden Spike National Historic Site

P.O. Box 897
Brigham City, UT 84302-0897
(435) 471-2209 (Visitor Info)

Rainbow Bridge Natl. Monument

PO Box 1507
Page, AZ 86040-1507
(520) 608-6200 (Headquarters)

Canyonlands National Park

2282 S. West Resource Blvd.
Moab, UT 84532-3298
(435) 719-2100 (Headquarters)

Hovenweep National Monument

McElmo Route
Cortez, CO 81321
(435) 719-2100 (Headquarters)

Timpanogos Cave Natl. Monument

R.R. 3, Box 200
American Fork, UT 84003-9803
(801) 756-5239 (Headquarters)

Capitol Reef National Park

HC 70 Box 15
Torrey, UT 84775-9602
(435) 425-3791 (Visitor Info)

Mormon Pioneer Natl. Historic Trail

Long Distance Trails Office
324 South State, Suite 250
Salt Lake City, UT 84145-0155
(801) 539-4095 (Headquarters)

Zion National Park

SR 9
Springdale, UT 84767-1099
(435) 772-3256